ABSTRACT OF THE DISCLOSURE

An optical signal processor comprises optical input/output means, a first optical system, wavelength branching means, a second optical system, and reflecting means. The optical input/output means includes a plurality of input/output ports. The ports have respective light input/output directions, in parallel with each other, located on a first virtual plane. The optical input/output means inputs light into any of the ports and outputs the light from any of the ports. The first optical system collimates the light. The wavelength branching means spatially separates the light in terms of wavelength, and outputs thus obtained wavelength light components. The wavelength light components have respective optical axes located on a second virtual plane. The second optical system receives the wavelength light components and converges them. The reflecting means includes a mirror with a reflecting surface positioned at a light-converging point of the wavelength light components converged by the second optical system. The reflecting means causes the light reflected by the mirror to be outputted from any of the ports. The first and second virtual planes are not parallel to each other. The light fed into the wavelength branching means has a greater beam width in a direction parallel to the second virtual plane than in a direction perpendicular to the second virtual plane.